(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 December 2000 (07.12.2000)

PCT

(10) International Publication Number WO 00/73277 A1

- (51) International Patent Classification⁷: C07D 239/22, 265/28, 279/22, 471/12, A01N 43/54, 43/84, 43/60
- (21) International Application Number: PCT/US00/08745
- (22) International Filing Date: 21 April 2000 (21.04.2000)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

09/323,823

2 June 1999 (02.06.1999) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US Filed on 09/323,823 (CIP)

rued on

2 June 1999 (02.06.1999)

- (71) Applicant (for all designated States except US): ISHI-HARA SANGYO KAISHA, LTD. [JP/JP]; 3-15, Edobori, 1-chome, Nishi-ku, Osaka 550-0002 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GUPTA, Sandeep [IN/US]; 8050 Carriage Hills Drive, Concord, OH 44060 (US). PULMAN, David, A. [GB/US]; 8120 Deepwood Boulevard #E5, Mentor, OH 44060 (US). YING, Bai-Ping [CN/US]; 9778 Maidstone Drive, Concord, OH 44060

(US). TSUKAMOTO, Masamitsu [JP/US]; 1428 Golden Gate Boulevard #H-13, Mayfield Hts, OH 44124 (US). HAGA, Takahiro [JP/US]; 7191 Auburn Road, Concord, OH 44077 (US).

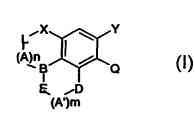
- (74) Agents: GUBINSKY, Louis et al.; Sughrue, Mion, Zinn, MacPeak & Seas, PLLC, 2100 Pennsylvania Avenue, N.W., Suite 800, Washington, DC 20037-3202 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FUSED TRICYCLIC COMPOUNDS, PROCESS FOR THEIR PREPARATION, AND HERBICIDAL COMPOSITIONS CONTAINING THEM



(57) Abstract: Novel fused tricyclic compounds represented by formula (I) are described. Q, Y, -L-X-, A, A', B, E, D, n and m are as defined in the disclosure. Also described are the processes for the manufacture of these compounds and agriculturally suitable compositions containing these as active ingredients which are useful as herbicides for general or selective pre-emergent or post-emergent control of undesired plant species.